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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

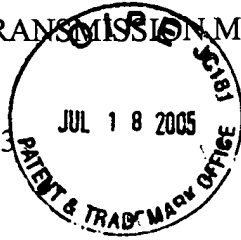
Applicant: Adrian P Stephens et al.

Title: DATA BURST TRANSMISSION METHODS IN WLAN DEVICES AND SYSTEMS

Docket No.: 884.A57US1

Filed: September 30, 2003

Examiner: Unknown



Serial No.: 10/677,055

Due Date: N/A

Group Art Unit: 2681

MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A return postcard.
- ☒ A Communication Concerning Related Applications (1 pg.).
- ☒ An Information Disclosure Statement (2 pgs.), Form 1449 (2 pgs.), and copies of 9 cited documents, including the International Search Report for corresponding PCT Application No. PCT/US2004/031887 (5 pgs.).

If not provided for in a separate paper filed herewith, Please consider this a **PETITION FOR EXTENSION OF TIME** for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

By: Ann M. McCrackin
Atty: Ann M. McCrackin
Reg. No. 42,858

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 14th day of July, 2005.

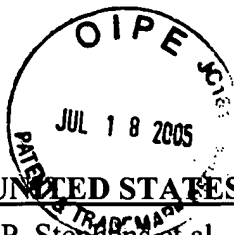
JAMES KANYUSIK
Name

James Kanyusik
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)

S/N 10/677,055



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Adrian P. Stephens et al. Examiner: Unknown
Serial No.: 10/677,055 Group Art Unit: 2681
Filed: September 30, 2003 Docket: 884.A57US1
Title: DATA BURST TRANSMISSION METHODS IN WLAN DEVICES AND
SYSTEMS

COMMUNICATION CONCERNING RELATED APPLICATIONS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date/Issue Date</u>	<u>Attorney Docket</u>	<u>Title</u>
10/676,139	September 30, 2003	884.B29US1	METHODS FOR TRANSMITTING CLOSELY-SPACED PACKETS IN WLAN DEVICES AND SYSTEMS
10/719,208	November 20, 2003	42P16292	TRAINED DATA TRANSMISSION FOR COMMUNICATION SYSTEMS

Continuations and divisionals may be later filed on the cases listed above, or cited to the Examiner in any previous Communication Concerning Related Applications. Applicants request that the Examiner review all continuations and divisionals of the above-listed or previously-cited patent applications before allowing the claims of the present patent application.

Respectfully submitted,

ADRIAN P. STEPHENS ET AL.
By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 349-9592

Date July 14, 2005 By Ann M. McCrackin
Ann M. McCrackin
Reg. No. 42,858

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JAMES KAUYSIK
Name

[Signature]
Signature

S/N 10/677,055

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Adrian P Stephens et al.	Examiner:	Unknown
Serial No.:	10/677,055	Group Art Unit:	2681
Filed:	September 30, 2003	Docket:	884.A57US1
Title:	DATA BURST TRANSMISSION METHODS IN WLAN DEVICES AND SYSTEMS		
Assignee:	Intel Corporation	Customer Number:	21186

INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Several of the documents, listed on the attached 1449, were discovered as a result of a Search Report in Applicant's corresponding foreign patent application. Enclosed for the Examiner's information are copies of the cited foreign patent documents and the Search Report.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

INFORMATION DISCLOSURE STATEMENT

Customer No.: 21186

Serial No.: 10/677,055

Filing Date: September 30, 2003

Title: DATA BURST TRANSMISSION METHODS IN WLAN DEVICES AND SYSTEMS

Assignee: Intel Corporation

Page 2

Dkt: 884.A57US1 (INTEL)

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

ADRIAN P STEPHENS ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
Attorneys for Intel Corporation
P.O. Box 2938
Minneapolis, MN 55402
(612) 349-9592

Date July 14, 2005

By

Ann M. McCrackin

Ann M. McCrackin

Reg. No. 42,858

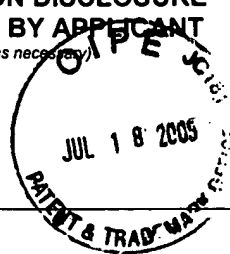
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JAMES KAUSIK
Name

James Kausik
Signature

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)



Complete if Known

Application Number	10/677,055
Filing Date	September 30, 2003
First Named Inventor	Stephens, Adrian
Group Art Unit	2681
Examiner Name	Unknown

Sheet 1 of 2

Attorney Docket No: 884.A57US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2001/0033560 A1	10/25/2001	Tong, W., et al.	01/19/2001
	US-2002/0131486 A1	09/19/2002	Haartsen, J.	03/15/2001
	US-2002/0136170 A1	09/26/2002	Struhsaker, P. F.	09/05/2001
	US-2002/0150077 A1	10/17/2002	Temerinac, M.	07/27/2001
	US-2003/0169769 A1	09/11/2003	Ho, J., et al.	07/02/2002
	US-2005/0032478 A1	02/10/2005	Stephens, A. P., et al.	11/20/2003
	US-2005/0068895 A1	03/31/2005	Stephens, A. P., et al.	09/30/2003
	US-4,495,619	01/22/1985	Acampora, A.	02/13/1984
	US-4,630,126	12/16/1986	Kaku, T., et al.	08/30/1984
	US-4,797,898	01/10/1989	Martinez, A. A.	11/21/1986
	US-5,007,047	04/09/1991	Sridhar, M. R., et al.	12/02/1988
	US-5,577,087	11/19/1996	Furuyu, Y.	10/27/1992
	US-5,706,428	01/06/1998	Boer, J., et al.	03/14/1996
	US-5,828,695	10/27/1998	Webb, W. T.	02/18/1994

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	EP-1130837A2	09/05/2001	Chen, X., et al.	
	WO-02054805A1	07/11/2002	Ball, C., et al.	
	WO-2005/034436A1	04/14/2005	Stephens, A. P., et al.	
	WO-2005/034475A1	04/14/2005	Stephens, A. P., et al.	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number 10/677,055

Filing Date September 30, 2003

First Named Inventor Stephens, Adrian

Group Art Unit 2681

Examiner Name Unknown

Sheet 2 of 2

Attorney Docket No: 884.A57US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"IEEE Standard Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specification", <u>ISO/IEC 8802-11, ANSI/IEEE Std 802.11, 1st Edition, Chapter 9: MAC Sublayer Functional Description</u> , (Aug. 20 1999), 70-97	
		"International Search Report filed in corresponding PCT Application PCT/US2004/031887", (Attorney Docket No. 884.A57WO1), (December 30, 2004), 5 pgs.	
		GRÜNHEID, R., et al., "Adaptive Modulation for the HIPERLAN/2 Air Interface", 5th International OFDM-Workshop 2000, (2000), 4-1 - 4-4	
		Ji, Z., et al., "Exploiting Medium Access Diversity in Rate Adaptive Wireless LANs", MobiCom 2004, Philadelphia, Pennsylvania, USA, http://pcl.cs.ucla.edu/papers/files/mobicom04-ji.pdf , (Sept. 2004), 345-359	
		KLEINDL, DR., G., "Signaling for Adaptive Modulation", <u>IEEE 802.11-03/283r0</u> , (May, 2003), 12 pgs.	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached